Thursday, 3/13/2008 10:17:08 AM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 37907 : 11913

Estimate Number

P.O. Number

This Issue

Written By

Comment

3/13/2008

Checked & Approved By

: NC

Prsht Rev. First Issue Previous Run

: 11

: Est

99.12.21

Type

S.O. No. :

: SMALL /MED FAB

Re-format EC

Part Number

Drawing Name

Drawing Number

Project Number **Drawing Revision**

Material

Due Date

: D2003007

: TUBE ASSEMBLY

: UNDER REVIEW

: N/A

: 3/28/2008

5 Um:

OK TO MANNEROTURA

Each

Additional Product

Job Number:



Seq. #: -

751 la core

with the

RAME PER

the grant of

1.0

14. 19 645

Machine Or Operation:

Description:

6061-T6 Tube .375 x.035W

M6061T6T0375W035

Comment: Qty.:

1.7186 f(s)/Unit Total:

Cut as per template D2003-007 (19.63" long) Material:3/8"Æ x 0.035" wall 6061-T6 tubing

Batch: M 103646 Cut: 20.00" long as per Dwg D2003

Material: M2650-6 Heat sleeve

2.0

3.0

144 2 3

1

the mark the

M26506

Firesleeve-crkl .375IDia



Comment: Qty.: 1.6701 f(s)/Unit

Total: 8.3505 f(s)

Firesleeve-crkl .375IDia

MS208196D

Sleeve



Comment: Qty.:

2.1000 Each(s)/Unit Total:

10.5000 Each(s)

Pick:

Part Number Description Qty

MS20819-6D Sleeve H103154

FF 08-03-18

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES													
DATE	STEP		PR	OCEDURE CHA	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
			. 8		*										
		• .	·												
						3									
Part No	:	4	PAR #:	Fault Cate	egory:		NCR: Yes	No DQ	A: Æ	Date: <	sel03/19				

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)												
		December of NC		Corrective Action Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector						
DATE	STEP	Description of NC Section A	Initial Chief Eng		ign & Date									
2			-	i i	-:									
7.7		, A												
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			1.7											

NOTE: Date & initial all entries

Thursday, 3/13/2008 10:17:08 AM Date: User: Kim Johnston **Process Sheet** Drawing Name: TUBE ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services 'Job Number: 37907 Part Number: D2003007 Job Number: Seq. #: Description: Machine Or Operation: 4.0 AN8186D Nut Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Pick: Qty Part Number Description Batch FF 08-03-18 AN818-6D Nut D2182045 5.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 5.0000 Each(s) Pick: Part Number Description Batch D2182-045 Heat shrink SMALL FAB Comment: SMALL & MEDIUM FAB RESOURCE 1 1-Form tube as per template D2003-007 2-Assemble as per Dwg D2003 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 9.0 FINAL INSPECTIONW/O RELÉASE Comment: FINAL INSPECTION/W/O RELEASE 2008/3/19 Job Completion

Form: rorocess

Page 2

ORK ORDER CHANGES	WORK ORDER CHANGES	-
NGE By Date Qty Approval Chief Eng / Prod Mgr	PROCEDURE CHANGE By Date Qty CH	Approval gr QC Inspector
	: Fault Category: NCR: Yes No DQA:	
QA: N/C Closed: Date: _):
ER NON-CONFORMANCE (NCR)	WORK ORDER NON-CONFORMANCE (NCR)	
Corrective Action Section B Verification Approval	C Verification At	val Approval
Action Description Chief Eng Sign & Section C Chief Eng Chief Eng	Initial Action Description Sign & Section C C	ng QC Inspector
Action Description Sign & Verification Approval	Initial Action Description Sign & Section C.	val Ar ng QC

NOTE: Date & initial all entries





				N							
	DESIG	(C)	DRAWN BY	DART AEROSPACE LTD							
	<u> </u>	/ /	M	HAWKESBURY, ONTARID, CANADA							
1	CHEC	KEP	APPROVED	DRAWING NO. REV. B							
	4	46	1	D2003 SHEET 1 OF 2							
ı	DATEV	7		TITLE SCALE							
_	99.0	06.08		206 CABIN HEATER TUBE ASSEMBLIES NTS							
	Α		90.04.09	NEW ISSUE							
	В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)							

RELEASED 49.06.08 KE

UNDER REVIEW

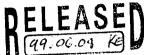
.08.03.10

				:VE		EVE	<	EVE	<u>}</u>			
		HEATSLEEVE LENGTH ¹	CUT LENGTH OF TUBE ²	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT			VENDOR OR
P/N	TEMPLATE		0 -	-						DESC.	MATERIAL 4/8/7	SPEC
D2003-001	T2003-001	5.2	6.00			ļ	<u> </u>	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19,63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33,31	32.38	t				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5,33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18,00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2		1,3			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-101	T2003-103	12.38	12.00	-				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-109	8.25	8.125			2	2	-	-	TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.75	4.625			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-116	T2003-116	4.0	7.020							HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-110	T2003-110	4.0								HEATSLEEVE	M2650-16 CRINKLE, SOFT	
D2003-120	T2003-120	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-14	T2003-14	4.0		104						HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-10	T2003-10	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-203	T2003-207	3.75	3.75		-			2	2	TUBE ASS'Y	6061-T6 0.375 QD x 0.035 W).	
52003-201	12000-201	3.73	3.73						-4	TUBE ASS T		1 2DMENT
											SUBLETT	OTICE





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DESIGN	DRAWN BY	DART	AFROSPA	CE LTD	
1 4	10	HAWK	KESBURY, ONTARIO,	CANADA	
CHECKED	APAROVED	DRAWING NO.		RI	EV. B
46	14	D2003	n	SHEET 2	OF 2
DATE		TITLE		9	CALE
99.06.08		206 CABIN HE	EATER TUBE	ASSEMBLIES	NTS





UNDER REV

SUBJECT TO A SE DESCRIT

Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

